

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|---|--|---|
| Applicant's or agent's file reference SP-P2096PC00 | FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below. | |
| International application No. PCT/EP2005/050274 | International filing date (day/month/year) 21/01/2005 | (Earliest) Priority Date (day/month/year) 23/01/2004 |
| Applicant SPEEDEL EXPERIMENTA AG | | |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

AMINO ALCOHOL DERIVATIVES AND THEIR ACTIVITY AS RENIN INHIBITORS

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2005/050274

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C213/08 C07C215/06 C07C215/20 A61K31/165

CORRECTED VERSION

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | WO 02/40007 A (NOVARTIS AG; NOVARTIS-ERFINDUNGEN VERWALTUNGSGESELLSCHAFT M.B.H.; HEWIT) 23 May 2002 (2002-05-23) the whole document | 1-9 |
| A | EP 0 519 433 A (HOECHST AKTIENGESELLSCHAFT) 23 December 1992 (1992-12-23) the whole document | 1-9 |
| | -/-- | |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

10 August 2005

Date of mailing of the international search report

17 6. 08. 2005

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Authorized officer

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/050274

| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|--|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | <p>RADDATZ P ET AL: "RENIN INHIBITORS CONTAINING NEW P1-P1' DIPEPTIDE MIMETICS WITH HETEROCYCLES IN P1'" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 35, no. 19, 18 September 1992 (1992-09-18), pages 3525-3536, XP002050635 ISSN: 0022-2623 the whole document</p> | 1-9 |
| A | <p>ALLIKMETS K: "ALISKIREN SPEEDEL" CURRENT OPINION IN INVESTIGATIONAL DRUGS, PHARMAPRESS, US, vol. 3, no. 10, 2002, pages 1479-1482, XP009017210 ISSN: 1472-4472 the whole document</p> | 1-9 |
| A | <p>WOOD J M ET AL: "Structure-based design of aliskiren, a novel orally effective renin inhibitor" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS INC. ORLANDO, FL, US, vol. 308, no. 4, 5 September 2003 (2003-09-05), pages 698-705, XP004447169 ISSN: 0006-291X the whole document</p> | 1-9 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/050274

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| WO 0240007 | A | 23-05-2002 | AU 2368002 A | 27-05-2002 |
| | | | BR 0115411 A | 17-08-2004 |
| | | | CA 2428647 A1 | 23-05-2002 |
| | | | CN 1474690 A | 11-02-2004 |
| | | | WO 0240007 A1 | 23-05-2002 |
| | | | EP 1341533 A1 | 10-09-2003 |
| | | | HU 0301841 A2 | 29-09-2003 |
| | | | JP 2004513920 T | 13-05-2004 |
| | | | MX PA03004358 A | 19-08-2003 |
| | | | NO 20032233 A | 16-05-2003 |
| | | | NZ 525795 A | 24-03-2005 |
| | | | PL 361404 A1 | 04-10-2004 |
| | | | SK 5842003 A3 | 04-11-2003 |
| | | | ZA 200303497 A | 28-04-2004 |
| ----- | | | | |
| EP 0519433 | A | 23-12-1992 | BR 9202325 A | 19-01-1993 |
| | | | CA 2071744 A1 | 22-12-1992 |
| | | | CN 1068112 A | 20-01-1993 |
| | | | CZ 9201906 A3 | 13-01-1993 |
| | | | EP 0519433 A1 | 23-12-1992 |
| | | | FI 922875 A | 22-12-1992 |
| | | | HU 61744 A2 | 01-03-1993 |
| | | | IE 921995 A1 | 30-12-1992 |
| | | | JP 5186461 A | 27-07-1993 |
| | | | MX 9203070 A1 | 01-12-1992 |
| | | | NO 922426 A | 22-12-1992 |
| | | | PL 294870 A1 | 08-02-1993 |
| | | | ZA 9204522 A | 24-02-1993 |
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